**Evaluation on Google APIs**

* Visit [www.w3schools.com](http://www.w3schools.com) for the tutorial
* Try out a sample program in the tutorial. If the map does not load correctly and you get an error message saying “See the Javascript Console for technical details”, then you have to get a GOOGLE API key for working. Click on the following link and get an API key which can be used instead of “yourkey” in the example you just tried out.

Link to get the API Key is

<https://developers.google.com/maps/documentation/javascript/get-api-key>

Check this link for the procedure and snapshots to get the API key.

<https://churchthemes.com/page-didnt-load-google-maps-correctly/>

Once you get a key for you, replace YOUR\_KEY in the below code snippet of the first example to the key you obtain in the previous step.

<script src="https://maps.googleapis.com/maps/api/js?key=**YOUR\_KEY**&callback=myMap"></script>

**Exercise Questions – Set 1**

1. Locate Bangalore on the map. Find the latitude and longitude from google search.
2. Change the icon image to the png file attached along with this and add event listener to zoom it to level 6 from 4 on click.
3. Create a circle against Bangalore with radius 10000 in red color and display the message “Hi! I’m here”
4. Locate Coimbatore and Mysore on the map and draw the flight route for the three places with center at Bangalore.
5. Display Road map and Hybrid map on the window.

**Exercise Questions – Set 2**

1. Locate Hyderabad on the map. Find the latitude and longitude from google search.
2. Change the icon image to the png file attached along with this and add event listener to zoom it to level 6 from 4 on click.
3. Create a circle against Hyderabad with radius 15000 in green color and display the message “I’m Hyderabad”
4. Locate Chennai and Bangalore on the map and draw the flight route for the three places with center at Hyderabad.
5. Display Road map and Satellite map on the window.

**Exercise Questions – Set 3**

1. Locate Delhi on the map. Find the latitude and longitude from google search.
2. Change the icon image to the png file attached along with this and add event listener to zoom it to level 6 from 4 on click.
3. Create a circle against Delhi with radius 20000 in white color and display the message “I’m the National Capital”
4. Locate Lucknow and Jaipur on the map and draw the flight route for the three places with center at Delhi.
5. Display Terrain map and Satellite map on the window.

**Exercise Questions – Set 4**

1. Locate Guwahati on the map. Find the latitude and longitude from google search.
2. Change the icon image to the png file attached along with this and add event listener to zoom it to level 6 from 4 on click.
3. Create a circle against Guwahati with radius 25000 in pink color and display the message “I’m in the east”
4. Locate Shillong and Tripura on the map and draw the flight route for the three places with center at Shillong.
5. Display Hybrid and Satellite map on the window.